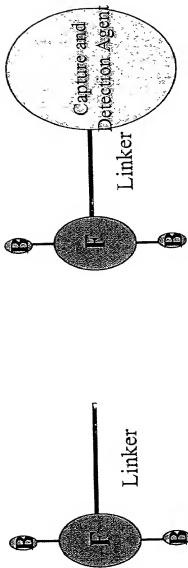


High-throughput Target ID



Library of Bioactive Compounds

Library of Target ID Compounds

Use corresponding activity-based probe to identify the biological target

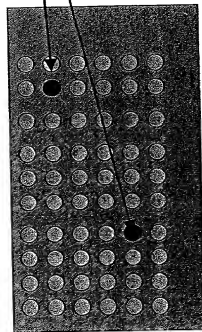


FIGURE 1

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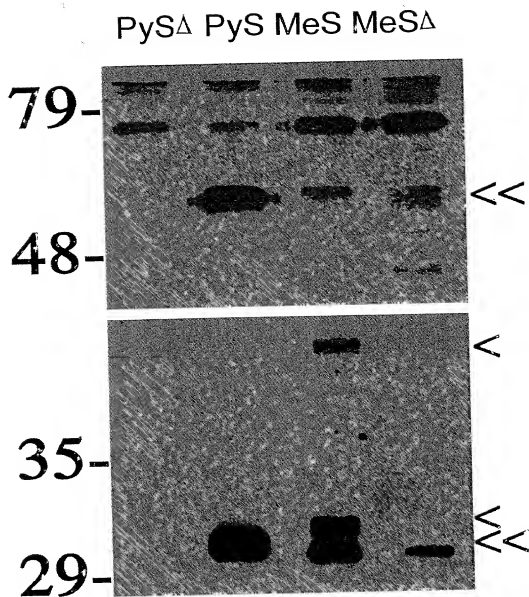


FIGURE 2

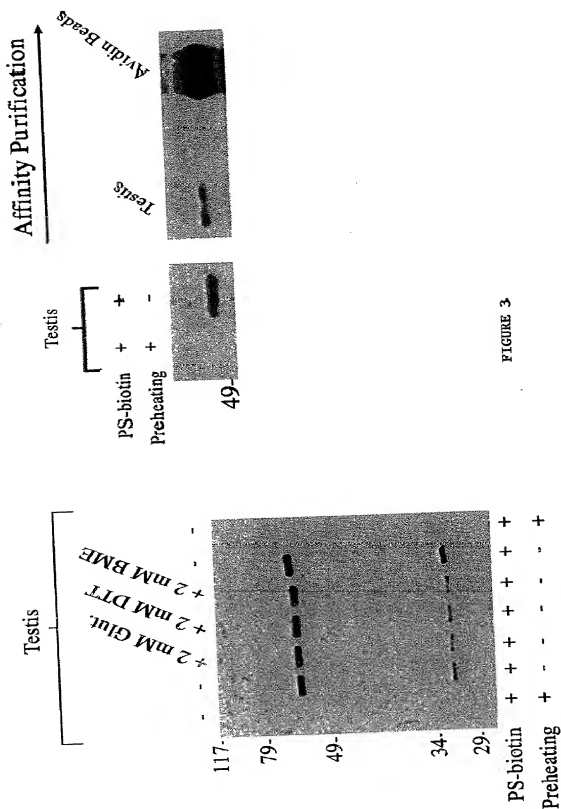
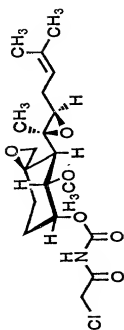
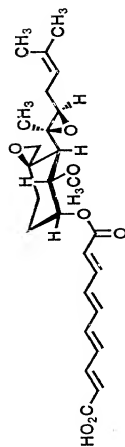


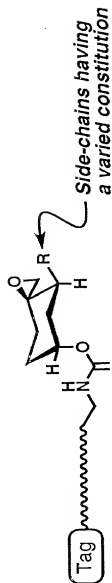
FIGURE 3



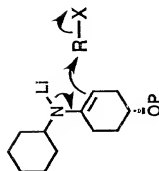
TNP-470



Fumagillin



Side-chains having
a varied constitution



X = halide
R = various aliphatic, alicyclic, alkyl aryl, or
alkyl heteroaryl groups
P = unspecified protecting group

FIGURE 4A

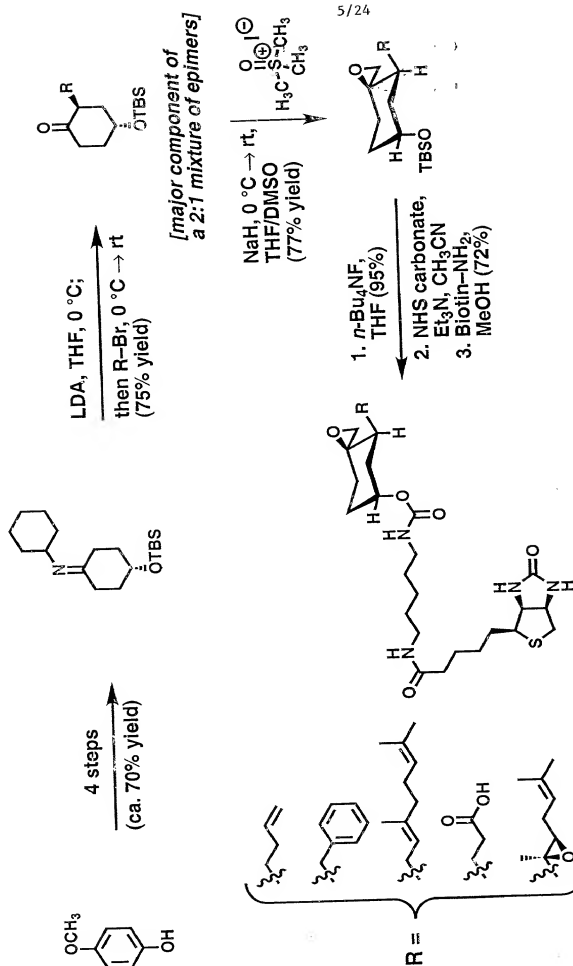


FIGURE 4B

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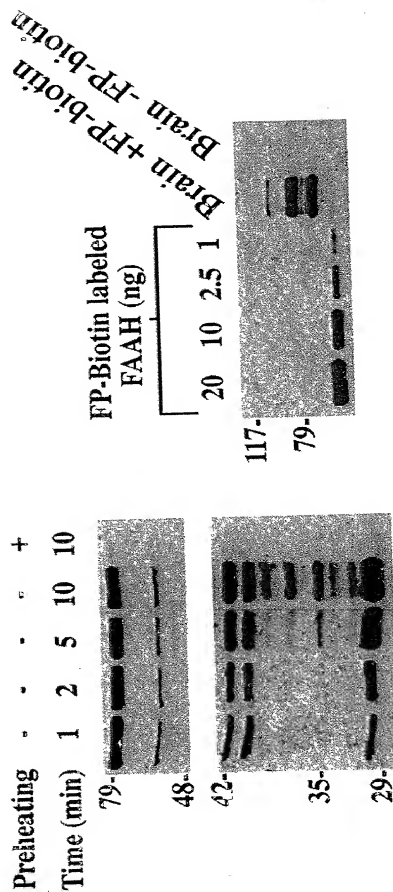


FIGURE 5

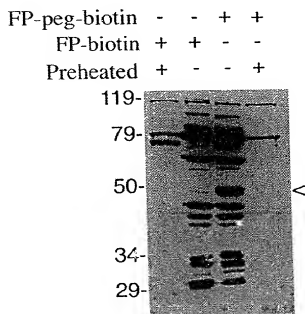
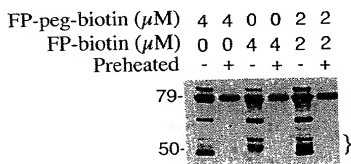


FIGURE 6

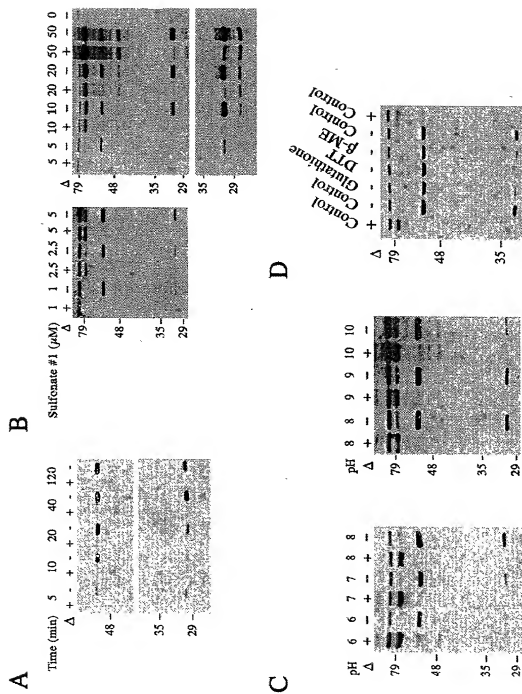


FIGURE 7

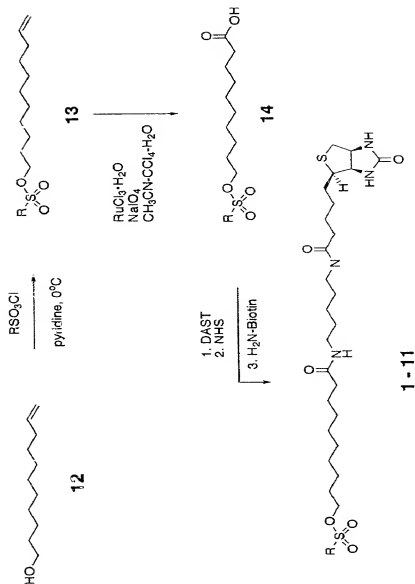


FIGURE 9

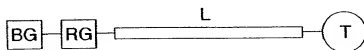
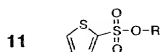
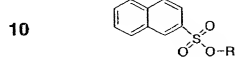
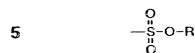
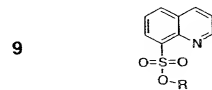
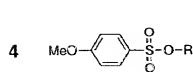
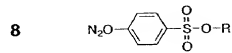
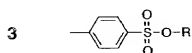
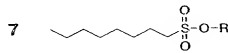
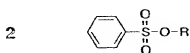
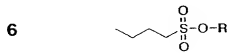
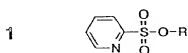
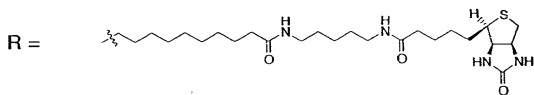
A.**B.**

FIGURE 10

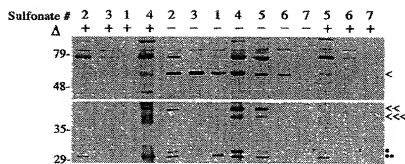
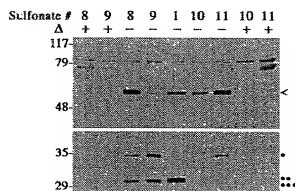
A**B**

FIGURE 11

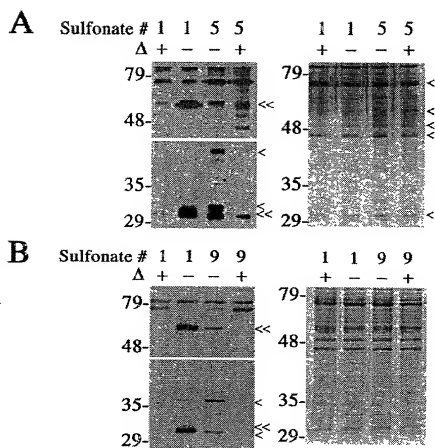
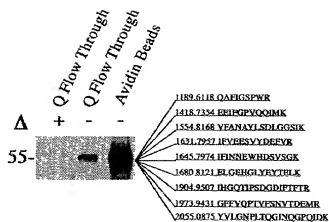
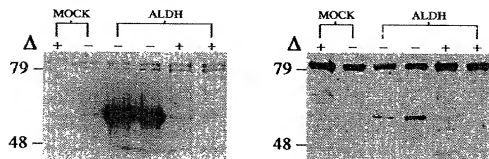


FIGURE 12

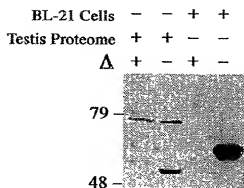
A



B



C



D

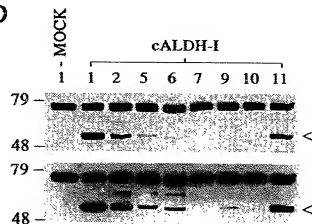
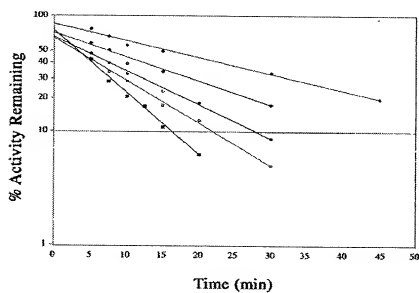


FIGURE 13

A



B

Competitor #	-	-	15	17	16	15	17	16
[Competitor (μ M)]	0	0	5	5	5	50	50	50

 Δ

79

48



FIGURE 14

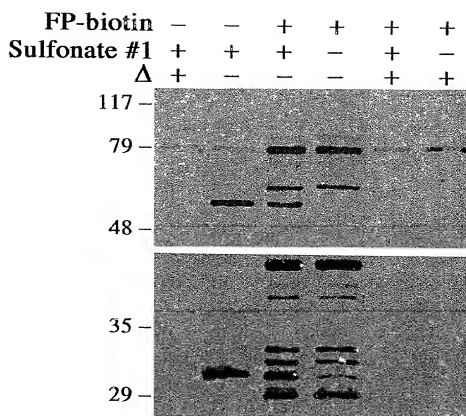


FIGURE 10

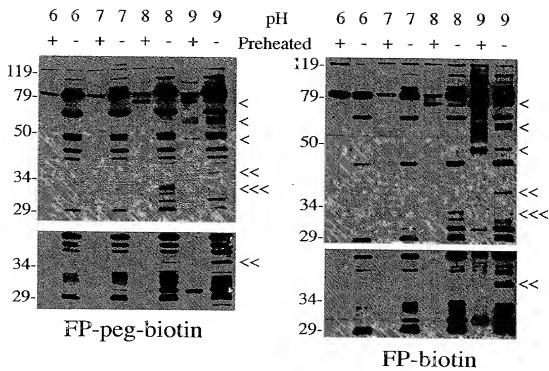


FIGURE 16

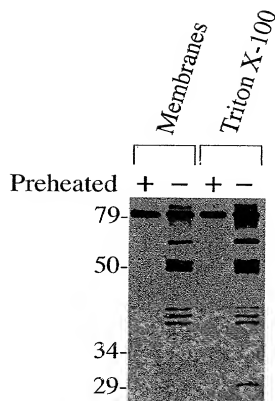


FIGURE 17

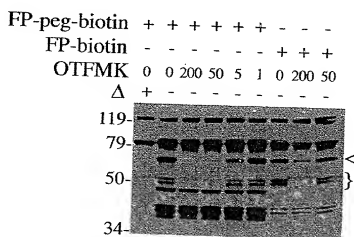


FIGURE 18

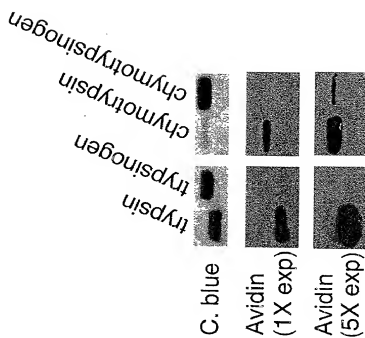
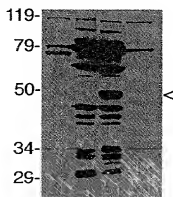


FIGURE 19

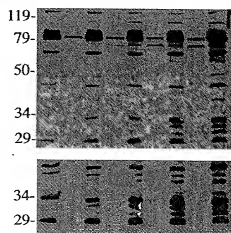
A.

FP-peg-biotin	-	-	+	+
FP-biotin	+	+	-	-
Preheated	+	-	-	+



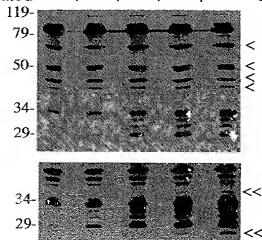
B.

FP-biotin (μ M)	0.5	1	1	2	2	4	4	8	8
Preheated	-	+	-	+	-	+	-	+	-



C.

FP-peg-biotin (μ M)	0.5	1	1	2	2	4	4	8	8
Preheated	-	+	-	+	-	+	-	+	-



D.

FP-peg-biotin (μ M)	1	2	8
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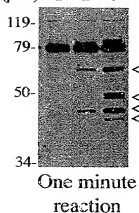


FIGURE 20

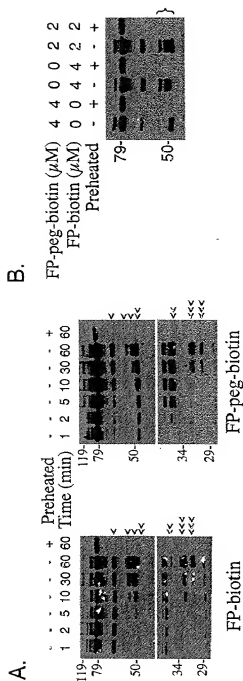


FIGURE 21

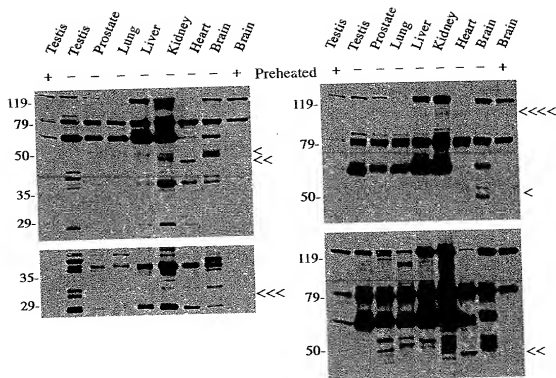


FIGURE 22

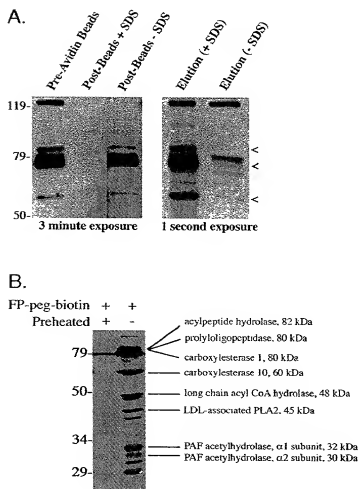


FIGURE 23